

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|---|------------------|---------|------------------|
| S1 | 50 | (US-4253303-\$ or US-4295381-\$ or US-5435136-\$ or US-4442670-\$ or US-4630447-\$ or US-5822964-\$ or US-5878570-\$ or US-6094912-\$ or US-4404802-\$ or US-4428197-\$ or US-4954053-\$ or US-5678406-\$ or US-5735123-\$ or US-3921400-\$ or US-4136523-\$ or US-4380902-\$ or US-4381648-\$ or US-4382363-\$ or US-4416114-\$ or US-4444011-\$ or US-4450685-\$ or US-4474106-\$ or US-4620418-\$ or US-4621497-\$ or US-4768342-\$ or US-4774808-\$).did. or (US-4821516-\$ or US-4894995-\$ or US-4969333-\$ or US-5003777-\$ or US-5010734-\$ or US-5022229-\$ or US-5177968-\$ or US-5456076-\$ or US-5461859-\$ or US-5477687-\$ or US-5537820-\$ or US-5632149-\$ or US-5737924-\$ or US-5765377-\$ or US-5873246-\$ or US-6253550-\$ or US-6381958-\$ or US-RE38337-\$ or US-6874321-\$ or US-6945043-\$ or US-7017344-\$ or US-4779421-\$ or US-4255929-\$ or US-4403478-\$).did | USPAT | OR | ON | 2006/05/15 11:07 |
| S2 | 1889 | (60/517-526).CCLS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/05/13 17:01 |
| S3 | 9434 | stirling | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:04 |
| S4 | 10159 | S2 S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:02 |
| S5 | 180882 | sakamoto.yoshimura.takai.yamagami.kitamura.yasumura | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:04 |
| S6 | 141 | S4 and S5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:03 |
| S7 | 869 | stirling.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:04 |
| S8 | 130853 | (sakamoto.yoshimura.takai.yamagami.kitamura.yasumura).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:05 |
| S9 | 8565 | S3 not S7 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:05 |
| S10 | 9293 | S2 S9 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:05 |
| S11 | 117 | S8 and S10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:07 |
| S12 | 2 | 10/450416 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:08 |
| S13 | 0 | 10/564094 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:10 |
| S14 | 506690 | sharp | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:10 |
| S15 | 666 | S10 and S14 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:11 |
| S16 | 661 | S9 and S14 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:14 |

EAST Search History

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|-----|-------|----------------------------|---|----|-----|------------------|
| S17 | 33 | "199683" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:15 |
| S18 | 0 | S4 and S17 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:14 |
| S19 | 279 | \$"199683" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:16 |
| S20 | 246 | S19 not S17 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:16 |
| S21 | 2 | S4 and S20 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:57 |
| S22 | 788 | (60/517).CCLS | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/05/13 17:57 |
| S23 | 452 | (60/520).CCLS | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/05/13 17:57 |
| S24 | 57 | S2 and S22 and S23 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/13 17:58 |
| S25 | 1889 | (60/517-526).CCLS | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/05/15 11:07 |
| S26 | 9445 | stirling | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:07 |
| S27 | 871 | stirling.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:07 |
| S28 | 8574 | S26 not S27 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:07 |
| S29 | 9302 | S25 S28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:07 |
| S30 | 9302 | S29 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:07 |
| S31 | 2482 | S30 and rotat\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:08 |
| S32 | 14417 | (stirling heat) adj.engine | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:08 |
| S33 | 15362 | S25 S32 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:08 |
| S34 | 0 | S33 and rotat | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:09 |
| S35 | 5000 | S33 and rotat\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:09 |

EAST Search History

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|-----|--------|--|---|----|-----|------------------|
| S36 | 566595 | (prevent\$ or "not") same rotat\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:14 |
| S37 | 902 | S35 and S36 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:11 |
| S38 | 118370 | (prevent\$ or "not") near rotat\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:15 |
| S39 | 147 | S35 and S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:27 |
| S40 | 90 | (60/519).CCLS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/05/15 11:27 |
| S41 | 788 | (60/517).CCLS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/05/15 11:29 |
| S42 | 452 | (60/520).CCLS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/05/15 11:29 |
| S43 | 82 | ((S41 S42 S40) and richter) (S41 and S42) (S41 and S40) (S42 and S40)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/15 11:29 |